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FIG. 1

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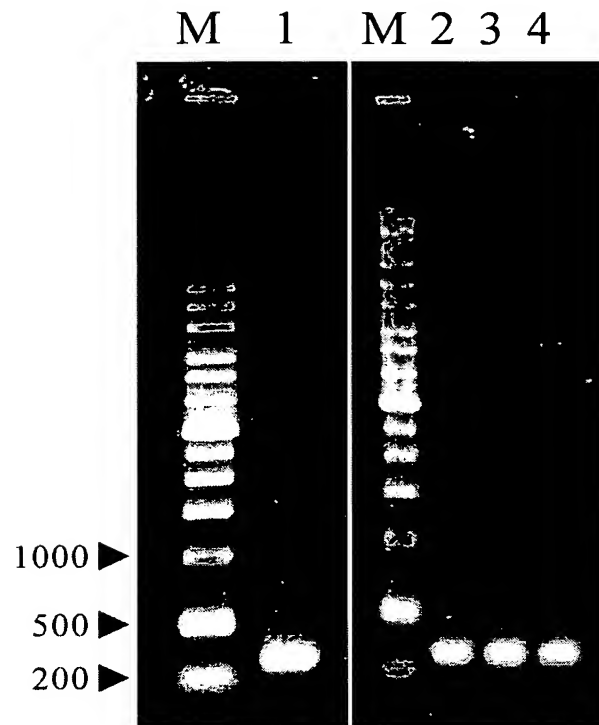


FIG. 2

	1	60
CCRC12913	(1) -----	
CCRC14001	(1) -----	
GM-080	(1) -----	
CCRC16100	(1) -----	
KLB58	(1) -----AACGCTG-CAGCGTGCCTA-TACATGCCAGTCGAACGAGTTCTC	
PB4	(1) ATCCTGGCTCAGGATGAACGCTGGCGGCGTGCCTAATACATGCAAGTCGAACGAGTTCTC	
F31	(1) -----AACGCTGGCGGCGTGCCTAATACATGCAAGTCGAACGAGTTCTC	
Consensus	(1) -----	
	61	120
CCRC12913	(1) -----	
CCRC14001	(1) -----GGTGAGTAC	
GM-080	(1) -----GTGAGTAC	
CCRC16100	(1) -----GCGAGGGTGAGTAC	
KLB58	(43) GTTGATGATCGGTGCTTGACACCGAGATTCAACATGGAACGAGTGGCGGACGGGTGAGTAA	
PB4	(61) GTTGATGATCGGTGCTTGACACCGAGATTCAACATGGAACGAGTGGCGGACGGGTGAGTAA	
F31	(45) GTTGATGATCGGTGCTTGACACCGAGATTCAACATGGAACGAGTGGCGGACGGGTGAGTAA	
Consensus	(61) G GGTGAGTA	
	121	180
CCRC12913	(1) ----TGGGTA-CCTGCCCTTAAGTGGGGGATAACATTTGAAACAGATGCTAATACCGCA	
CCRC14001	(10) C--GTGGGTA-CCTGCCCTTAAGTGGGGGATAACATTTGAAACAGATGCTAATACCGCA	
GM-080	(9) C--GTGGGTA-CCTGCCCTTA-GTGGGGGATAACATTTGAAACAGATGCTAATACCGCA	
CCRC16100	(15) C--GTGGGTA-CCTGCCCTTAAGTGGGGGATAACATTTGAAACAGATGCTAATACCGCA	
KLB58	(103) CACGTGGGTAACCTGCCCTTAAGTGGGGGATAACATTTGAAACAGATGCTAATACCGCA	
PB4	(121) CACGTGGGTAACCTGCCCTTAAGTGGGGGATAACATTTGAAACAGATGCTAATACCGCA	
F31	(105) CACGTGGGTAACCTGCCCTTAAGTGGGGGATAACATTTGAAACAGATGCTAATACCGCA	
Consensus	(121) C GTGGGTA CCTGCCCTTAAGTGGGGGATAACATTTGAAACAGATGCTAATACCGCA	
	181	240
CCRC12913	(56) TAGATCCAAGAACCGCATGGTTCTTGGCTGAAAGATGGCGTAAGCTATCGCTTTTGGATG	
CCRC14001	(67) TAGATCCAAGAACCGCATGGTTCTTGGCTGAAAGATGGCGTAAGCTATCGCTTTTGGATG	
GM-080	(65) TAGATCCAAGAACCGCATGGTTCTTGGCTGAAAGATGGCGTAAGCTATCGCTTTTGGATG	
CCRC16100	(72) TAGATCCAAGAACCGCATGGTTCTTGGCTGAAAGATGGCGTAAGCTATCGCTTTTGGATG	
KLB58	(163) TAGATCCAAGAACCGCATGGTTCTTGGCTGAAAGATGGCGTAAGCTATCGCTTTTGGATG	
PB4	(181) TAGATCCAAGAACCGCATGGTTCTTGGCTGAAAGATGGCGTAAGCTATCGCTTTTGGATG	
F31	(165) TAGATCCAAGAACCGCATGGTTCTTGGCTGAAAGATGGCGTAAGCTATCGCTTTTGGATG	
Consensus	(181) TAGATCCAAGAACCGCATGGTTCTTGGCTGAAAGATGGCGTAAGCTATCGCTTTTGGATG	
	241	300
CCRC12913	(116) GACCCGCGGCGTATTAGCTAGTTGGTGAGGTAATGGCTCACCAAGGCGATGATACGTAGC	
CCRC14001	(127) GACCCGCGGCGTATTAGCTAGTTGGTGAGGTAATGGCTCACCAAGGCGATGATACGTAGC	
GM-080	(125) GACCCGCGGCGTATTAGCTAGTTGGTGAGGTAATGGCTCACCAAGGCGATGATACGTAGC	
CCRC16100	(132) GACCCGCGGCGTATTAGCTAGTTGGTGAGGTAATGGCTCACCAAGGCGATGATACGTAGC	
KLB58	(223) GACCCGCGGCGTATTAGCTAGTTGGTGAGGTAATGGCTCACCAAGGCGATGATACGTAGC	
PB4	(241) GACCCGCGGCGTATTAGCTAGTTGGTGAGGTAATGGCTCACCAAGGCGATGATACGTAGC	
F31	(225) GACCCGCGGCGTATTAGCTAGTTGGTGAGGTAATGGCTCACCAAGGCGATGATACGTAGC	
Consensus	(241) GACCCGCGGCGTATTAGCTAGTTGGTGAGGTAATGGCTCACCAAGGCGATGATACGTAGC	
	301	360
CCRC12913	(176) CGAACTGAGAGGTTGATCGGCCACATTGGGACTGAGACACGGCCCAAACCTCCTACGGGAG	
CCRC14001	(187) CGAACTGAGAGGTTGATCGGCCACATTGGGACTGAGACACGGCCCAAACCTCCTACGGGAG	
GM-080	(185) CGAACTGAGAGGTTGATCGGCCACATTGGGACTGAGACACGGCCCAAACCTCCTACGGN--	
CCRC16100	(192) CGAACTGAGAGGTTGATCGGCCACATTGGGACTGAGACACGGCCCAAACCTCCTACGGG--	
KLB58	(283) CGAACTGAGAGGTTGATCGGCCACATTGGGACTGAGACACGGCCCAAACCTCCTACGGG--	
PB4	(301) CGAACTGAGAGGTTGATCGGCCACATTGGGACTGAGACACGGCCCAAACCTCCTACGGG--	
F31	(285) CGAACTGAGAGGTTGATCGGCCACATTGGGACTGAGACACGGCCCAAACCTCCTACGGG--	
Consensus	(301) CGAACTGAGAGGTTGATCGGCCACATTGGGACTGAGACACGGCCCAAACCTCCTACGGG	

FIG. 3

		361	420
CCRC12913	(236)	GGCCAGCAGT-GGGAG-----	
CCRC14001	(247)	GGGCAGCAGT-GGGAG-----	
GM-080	(243)	GGGCAGCAGT-GGGA-----	
CCRC16100	(250)	AGGCAGCAGT-GGGA-----	
KLB58	(341)	AGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAG	
PB4	(359)	AGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAG	
F31	(343)	AGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAG	
Consensus	(361)	AGGCAGCAGT GGGA	
		421	480
CCRC12913	(251)	-----	
CCRC14001	(262)	-----	
GM-080	(257)	-----	
CCRC16100	(264)	-----	
KLB58	(401)	TGAAGAAGGCTTTCGGGTCGTAAAACTCTGTTGTTGGAGAAGAATGGTCGGCAGAGTAAC	
PB4	(419)	TGAAGAAGGCTTTCGGGTCGTAAAACTCTGTTGTTGGAGAAGAATGGTCGGCAGAGTAAC	
F31	(403)	TGAAGAAGGCTTTCGGGTCGTAAAACTCTGTTGTTGGAGAAGAATGGTCGGCAGAGTAAC	
Consensus	(421)		
		481	540
CCRC12913	(251)	-----	
CCRC14001	(262)	-----	
GM-080	(257)	-----	
CCRC16100	(264)	-----	
KLB58	(461)	TGTTGTCGGCGTGACGGTATCCAACCAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGC	
PB4	(479)	TGTTGTCGGCGTGACGGTATCCAACCAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGC	
F31	(463)	TGTTGTCGGCGTGACGGTATCCAACCAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGC	
Consensus	(481)		
		541	600
CCRC12913	(251)	-----	
CCRC14001	(262)	-----	
GM-080	(257)	-----	
CCRC16100	(264)	-----	
KLB58	(521)	GGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGCGCG	
PB4	(539)	-----	
F31	(523)	GGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGCGCG	
Consensus	(541)		
		601	660
CCRC12913	(251)	-----	
CCRC14001	(262)	-----	
GM-080	(257)	-----	
CCRC16100	(264)	-----	
KLB58	(581)	TTTTTTAAGTCTGATGTGAAAGCCCTCGGCTTAACCGAAGAAGCGCATCGGAAACTGGGA	
PB4	(539)	-----	
F31	(583)	TTTTTTAAGTCTGATGTGAAAGCCCTCGGCTTAACCGAGGAAGCGCATCGGAAACTGGGA	
Consensus	(601)		
		661	720
CCRC12913	(251)	-----	
CCRC14001	(262)	-----	
GM-080	(257)	-----	
CCRC16100	(264)	-----	
KLB58	(641)	AACTTGAGTGCAGAAGAGGACAGTGGAATCCATGTGTAGCGGTGAAATGCGTAGATATA	
PB4	(539)	-----	
F31	(643)	AACTTGAGTGCAGAAGAGGACAGTGGAATCCATGTGTAGCGGTGAAATGCGTAGATATA	
Consensus	(661)		

FIG. 3 (continued)

		721	780
CCRC12913	(251)	-----	-----
CCRC14001	(262)	-----	-----
GM-080	(257)	-----	-----
CCRC16100	(264)	-----	-----
KLB58	(701)	TGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGTA	ACTGACGCTGAGGCTCGAAA
PB4	(539)	-----	-----
F31	(703)	TGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGTA	ACTGACGCTGAGGCTCGAAA
Consensus	(721)	-----	-----
		781	840
CCRC12913	(251)	-----	-----
CCRC14001	(262)	-----	-----
GM-080	(257)	-----	-----
CCRC16100	(264)	-----	-----
KLB58	(761)	GCATGGGTAGCGAACAGGATTAGATACCTGGTAGTCCATGCCGTA	AACGATGAATGCTA
PB4	(539)	-----	-----
F31	(763)	GCATGGGTAGCGAACAGGATTAGATACCTGGTAGTCCATGCCGTA	AACGATGAATGCTA
Consensus	(781)	-----	-----
		841	900
CCRC12913	(251)	-----	-----
CCRC14001	(262)	-----	-----
GM-080	(257)	-----	-----
CCRC16100	(264)	-----	-----
KLB58	(821)	GGTGTGGAGGGTTCCGCCCTTCAGTGCCGCAGCTAACGCATTA	AAGCATTCGCCTGGG
PB4	(539)	-----	-----
F31	(823)	GGTGTGGAGGGTTCCGCCCTTCAGTGCCGCAGCTAACGCATTA	AAGCATTCGCCTGGG
Consensus	(841)	-----	-----
		901	960
CCRC12913	(251)	-----	-----
CCRC14001	(262)	-----	-----
GM-080	(257)	-----	-----
CCRC16100	(264)	-----	-----
KLB58	(881)	GAGTACGACCGCAAGGTTGAAACTCAAAGGAATTGACGGGGCCCGCACA	AAGCGGTGGAG
PB4	(539)	-----	-----
F31	(883)	GAGTACGACCGCAAGGTTGAAACTCAAAGGAATTGACGGGGCCCGCACA	AAGCGGTGGAG
Consensus	(901)	-----	-----
		961	1020
CCRC12913	(251)	-----	-----
CCRC14001	(262)	-----	-----
GM-080	(257)	-----	-----
CCRC16100	(264)	-----	-----
KLB58	(941)	CATGTGGTTTAATTCGAAGCAACGCGAAGAACCTTACCAAGTCTTGACATCTTTGATCA	
PB4	(539)	-----	-----
F31	(943)	CATGTGGTTTAATTCGAAGCAACGCGAAGAACCTTACCAAGTCTTGACATCTTTGATCA	
Consensus	(961)	-----	-----
		1021	1080
CCRC12913	(251)	-----	-----
CCRC14001	(262)	-----	-----
GM-080	(257)	-----	-----
CCRC16100	(264)	-----	-----
KLB58	(1001)	CCTGAGAGATCAGGTTTCCCTTCGGGGGCAAAATGACAGGTGGTGCATGGTTGTCGTCA	
PB4	(539)	-----	-----
F31	(1003)	CCTGAGAGATCAGGTTTCCCTTCGGGGGCAAAATGACAGGTGGTGCATGGTTGTCGTCA	
Consensus	(1021)	-----	-----

FIG. 3 (continued)

		1081		1140
CCRC12913	(251)	-----		
CCRC14001	(262)	-----		
GM-080	(257)	-----		
CCRC16100	(264)	-----		
KLB58	(1061)	GCTCGTGTCTGAGATGTTGGGTTAAGTCCCGCAACGAGCGCAACCCTTATGACTAGTTG		
PB4	(539)	-----		
F31	(1063)	GCTCGTGTCTGAGATGTTGGGTTAAGTCCCGCAACGAGCGCAACCCTTATGACTAGTTG		
Consensus	(1081)			
		1141		1200
CCRC12913	(251)	-----		
CCRC14001	(262)	-----		
GM-080	(257)	-----		
CCRC16100	(264)	-----		
KLB58	(1121)	CCAGCATTTAGTTGGGCACTCTAGTAAGACTGCCGGTGACAAACCGAGGAAGGTGGGGA		
PB4	(539)	-----		
F31	(1123)	CCAGCATTTAGTTGGGCACTCTAGTAAGACTGCCGGTGACAAACCGAGGAAGGTGGGGA		
Consensus	(1141)			
		1201		1260
CCRC12913	(251)	-----		
CCRC14001	(262)	-----		
GM-080	(257)	-----		
CCRC16100	(264)	-----		
KLB58	(1181)	TGACGTCAAATCATCATGCCCTTATGACCTGGGCTACACAGTGTACAATGGATGGTA		
PB4	(539)	-----		
F31	(1183)	TGACGTCAAATCATCATGCCCTTATGACCTGGGCTACACAGTGTACAATGGATGGTA		
Consensus	(1201)			
		1261		1320
CCRC12913	(251)	-----		
CCRC14001	(262)	-----		
GM-080	(257)	-----		
CCRC16100	(264)	-----		
KLB58	(1241)	CAACGAGTTGCGAGACCGGAGGTCAAGCTAATCTCTTAAAGCCATTCTCAGTTCGGACT		
PB4	(539)	-----		
F31	(1243)	CAACGAGTTGCGAGACCGGAGGTCAAGCTAATCTCTTAAAGCCATTCTCAGTTCGGACT		
Consensus	(1261)			
		1321		1380
CCRC12913	(251)	-----		
CCRC14001	(262)	-----		
GM-080	(257)	-----		
CCRC16100	(264)	-----		
KLB58	(1301)	GTAGGCTGCAACTCGCCTACACGAAGTCGGAATCGCTAGTAATCGCGGATCAGCACGCCG		
PB4	(539)	-----		
F31	(1303)	GTAGGCTGCAACTCGCCTACACGAAGTCGGAATCGCTAGTAATCGCGGATCAGCACGCCG		
Consensus	(1321)			
		1381		1440
CCRC12913	(251)	-----		
CCRC14001	(262)	-----		
GM-080	(257)	-----		
CCRC16100	(264)	-----		
KLB58	(1361)	CGGTGAATACGTTCCCGGGCCTTGTACACACCGCCGTCACACCATGAGAGTTTGTAAACA		
PB4	(539)	-----		
F31	(1363)	CGGTGAATACGTTCCCGGGCCTTGTACACACCGCCGTCACACCATGAGAGTTTGTAAACA		
Consensus	(1381)			

FIG. 3 (continued)

		1441		1500
CCRC12913	(251)	-----		
CCRC14001	(262)	-----		
GM-080	(257)	-----		
CCRC16100	(264)	-----		
KLB58	(1421)	CCCGAAGCCGGTGGCGTAACCCCTTTAGGGAGCGAGCTGTCTAAGGTGGGACAAATGATT		
PB4	(539)	-----		
F31	(1423)	CCCGAAGCCGGTGGCGTAACCCCTTTAGGGAGCGAGCTGTCTAAGGTGGGACAAATGATT		
Consensus	(1441)			

		1501		1537
CCRC12913	(251)	-----		
CCRC14001	(262)	-----		
GM-080	(257)	-----		
CCRC16100	(264)	-----		
KLB58	(1481)	AGGGTGAAGTCGTAACAAGGTAGCTAAAGGAGA----		
PB4	(539)	-----		
F31	(1483)	AGGGTGAAGTCGTAACAAGG-AGCTGTAGGAGAACTA		
Consensus	(1501)			

FIG. 3 (continued)

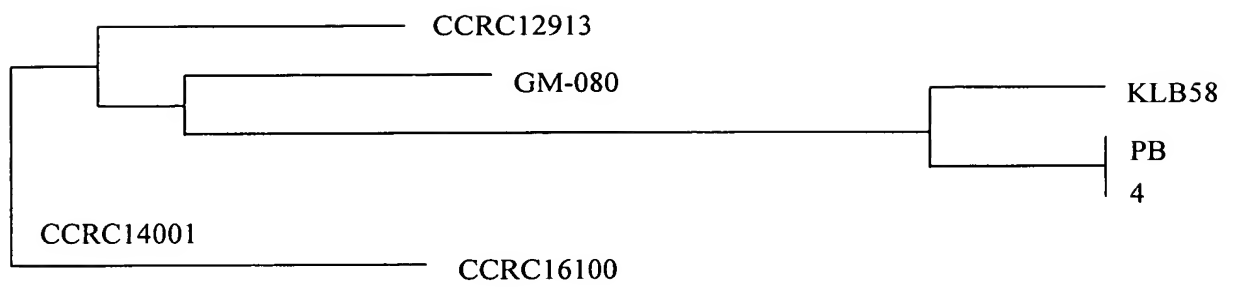


FIG. 4

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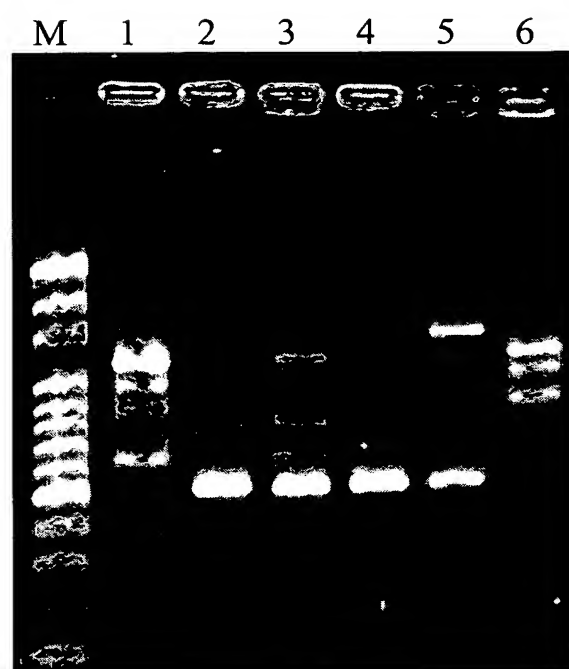


FIG. 5

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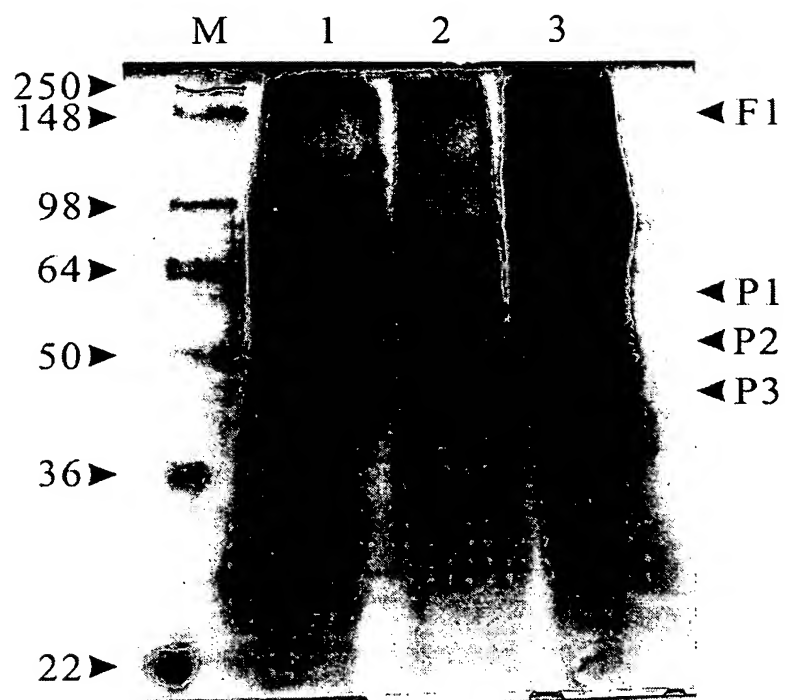


FIG. 6

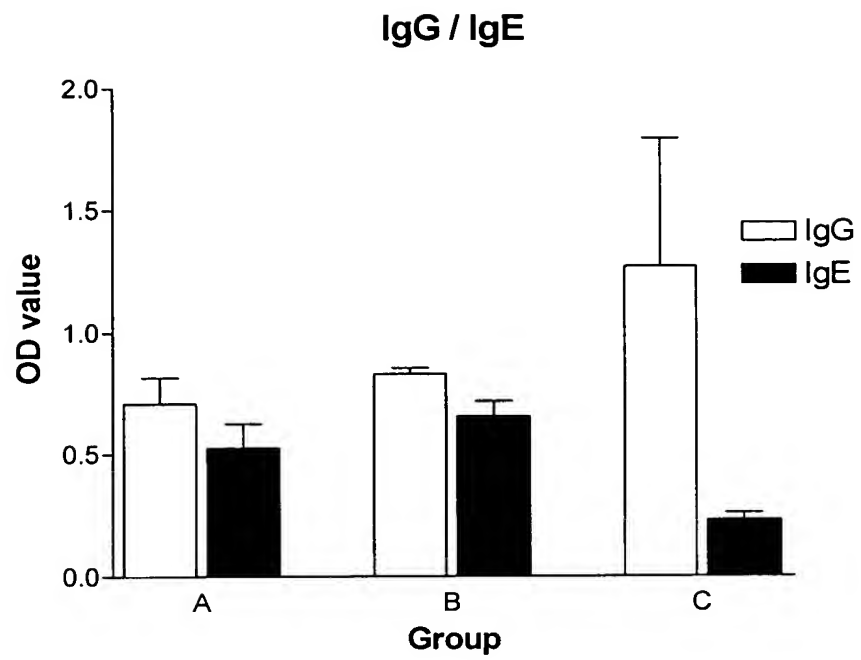


FIG. 7

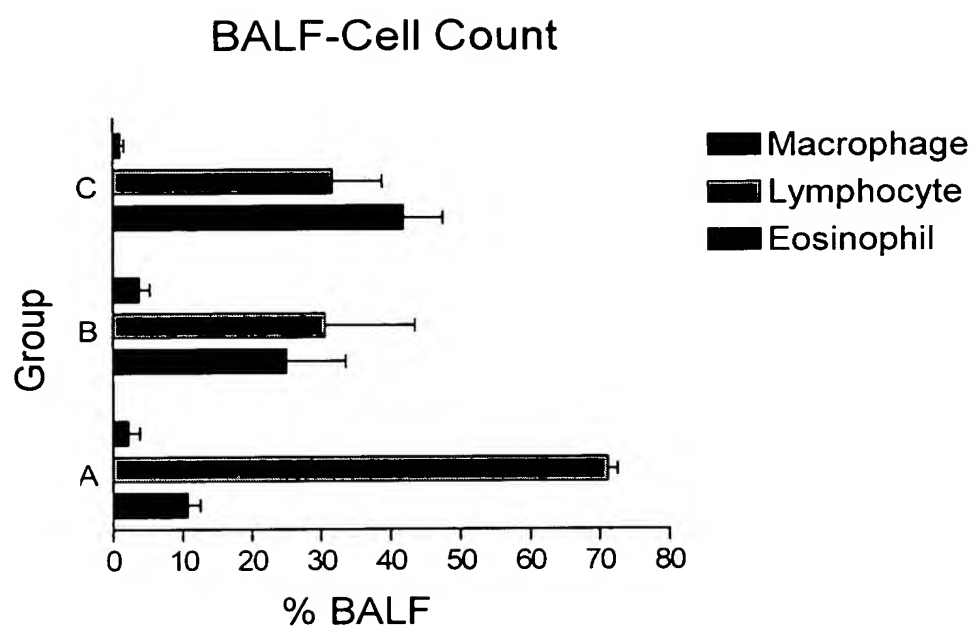


FIG. 8

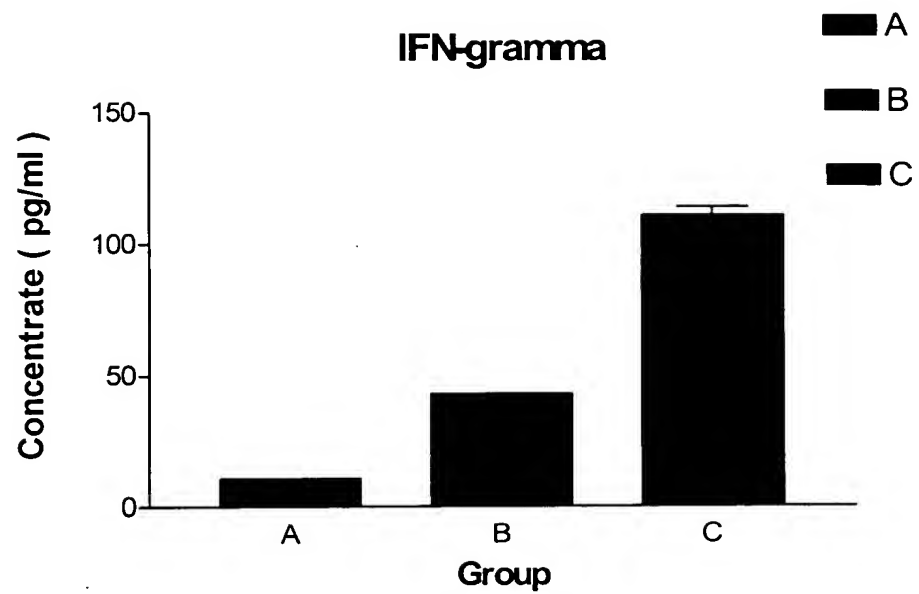


FIG. 9

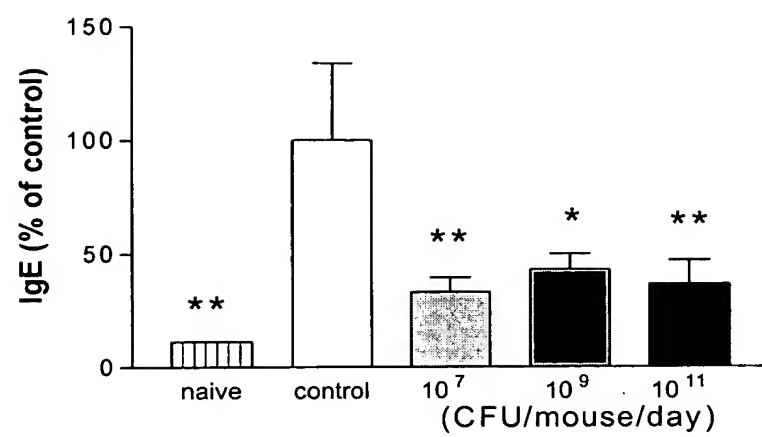


FIG. 10